

FIGURE 1

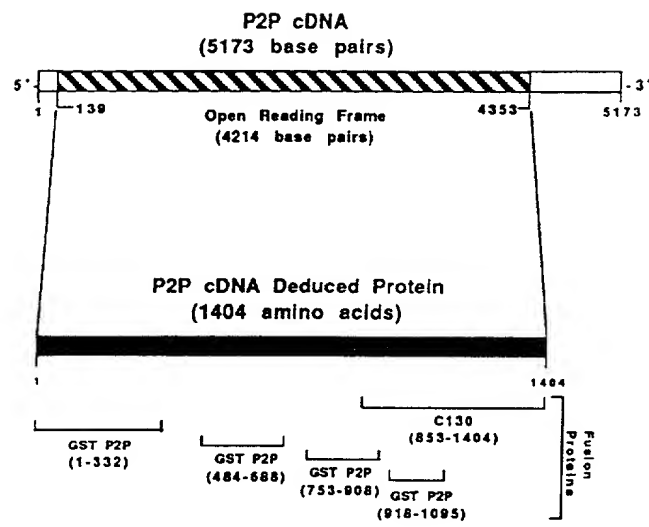


FIGURE 2

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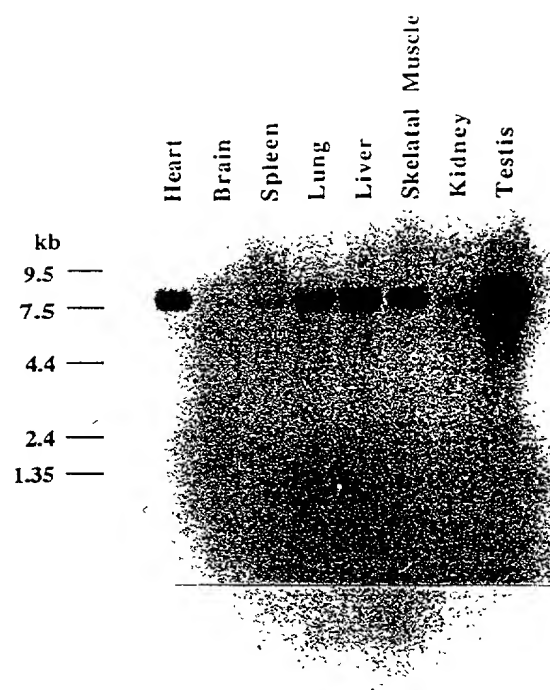
MMEVKDPNMKGAMLTNTGKYIPTIDAEAYAIGKKEKPPFLPEEPSSSSEDDPIPAELL 60
CLICKDINTDAVVIPCCGNSSCDECIRTTLESOKHTCPTC HQNDVSPDALIANKFRLQA 120
VNNFKNETGYTKRLRKQLPPFLFLVPPPRPLSQRNLOPRSRSPILRQQDPVVFRTVSPT 180
CSDIKTAGSCSDSGTSLRLPAPSISSLTNSQSSLAPPVSGNPSSAPAPVPDITATVSI 240
HSEKSDGPFRRSDNKLPAALTSSEHSGASSIAITAMEEKGVPGTSPWNSIFVGQSLL 300
HGQLIPTTGPVRINAARPGGGRPGWEHSNKLGYLVSPPOQIRRGERSCYRSINRGRHSE 360
RSQRTQSPSLPATPCFVVPVPPPLYPHPHTLPLPGVPPPPQFSQFPSSQPTAGYSVP 420
PPGFPPAPANISTACFSPGVPTAHSNTMPTTQAPLLSREEFYREQNDKGRESKFPYSGSS 480
YSSSYTDSSQGLAQHIAHALTLSPSAAHTDLLHDHPPPEAEARSAMIVHMPDLMDIA 540
HARSRSPPYRRYRSRSRSPPEFRGQSPTKRNVPREEKEREYFNRYREVPPPYDIKAYYCR 600
SVDFRDPFEKERYREWERYREWKYKYYKGYAVGAQPRPSANREDFSPERLLPLNIRNSP 660
FTRGRREDYAAGQSHRNRLGNGNYPEKLSTRDSHNAKDNPKSKEKESENVPDGGKGNKHK 720
KHKRRNEEKGEESFNLNPELLETSRKCRGSSGIDETKTDTLFLVPSRDDATPVRDEPM 780
DAESITFKSVSDKDKREKDKPKVSDKTKRKSOGSATAKKDNVLKPSKGPQEKVDGOREK 840
SPRSEPLKKAKEATKIDSVKPSSSSQKDEKVTGTPRKAHKSADTRRQSQPRTRRSK 900
RTVPKTSQKSQPVTRRRPRLKINYLAREKNEREKRKSVDKDFESSMKISKVEGT 960
EIVKPSFKRMEGDVEKLETPKDKIASSTTPAKKIKLNRETGKKIGNAENASTTKEPS 1020
EKLESTSSKIKQEKVKGAKRKGAGSESSSTLVDTSTSTGGSPVRKSEKTDTKRTV 1080
IKTMEYNNONTAPAEVDVIMIQVPQSKWDKDDFESEEDVKTTQPIQSVGKPSIIKNV 1140
TTKPSATAKYTEKESEQPEKLQKLPKEASHELMQHELRSKSGSASSEKGRAKDREHSGSE 1200
KDNPDKRKSGAQPDKESTVDRLSEQGHFKTLSQSKETRTSEKHESVRGSSNKDFTPGRD 1260
KKVDYDSRDYSSSKRRDERGELARRKDSPPRGKESLSGQKSKLREERDLPPKGAESKSN 1320
SSPPRDKKPHDHKAPYETKRPCEETKPVDKNSGKEREKHAAEARNKKESSGANCHVYLTR 1380
QTLPWRRSWLLGRWRRAPSSRNPS 1404

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FIGURE 3

A.



B.

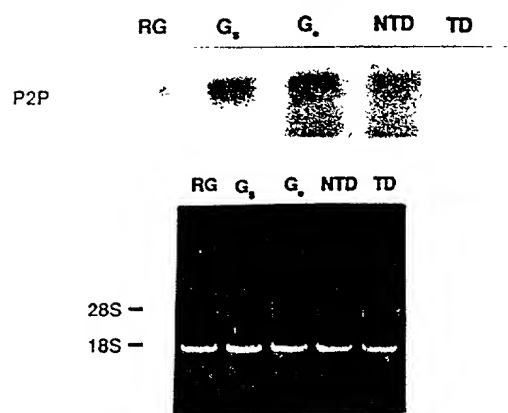
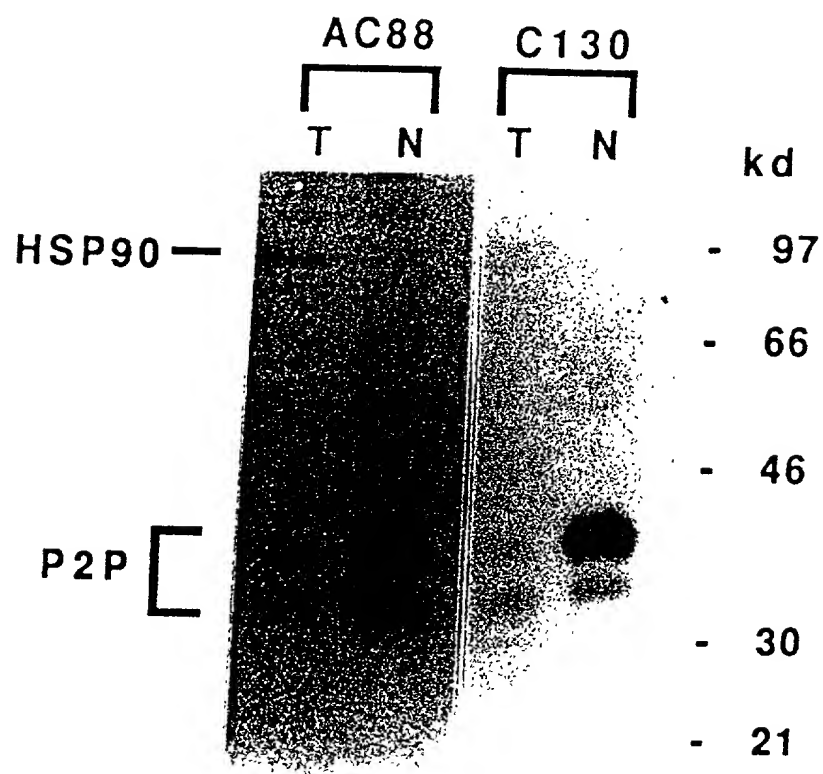


FIGURE 4



AAGAATCAATGCTGCTCG

1140
*
TACCTAGTTTCTCCACCA

GC GG GCGACACCACAGCG

CTTTGTGCCC GTTCCACC

GGTGTACCTCCTCCACAG

GTGTCCCTCCTCCAGGAT

TGTTCCCACTGCCCATTC

TTCTATAGAGAGCAAAAC

CAAGAA GTTCATACACTG

TCCTTCAGCTGCTCACAC

GCAAGATCTGCAATGATT

CACCTCCCTATAGACGAT

CACTAAACGTAATGTACC

1920
*
CCACCCCTTATGACATC

1980
*
AGAACGCTACCGGGAAT

2040
*
GCGGTGGGAGCTCAACC

2100
*
CTCTTAATATCAGAAAT

FIGURE 5

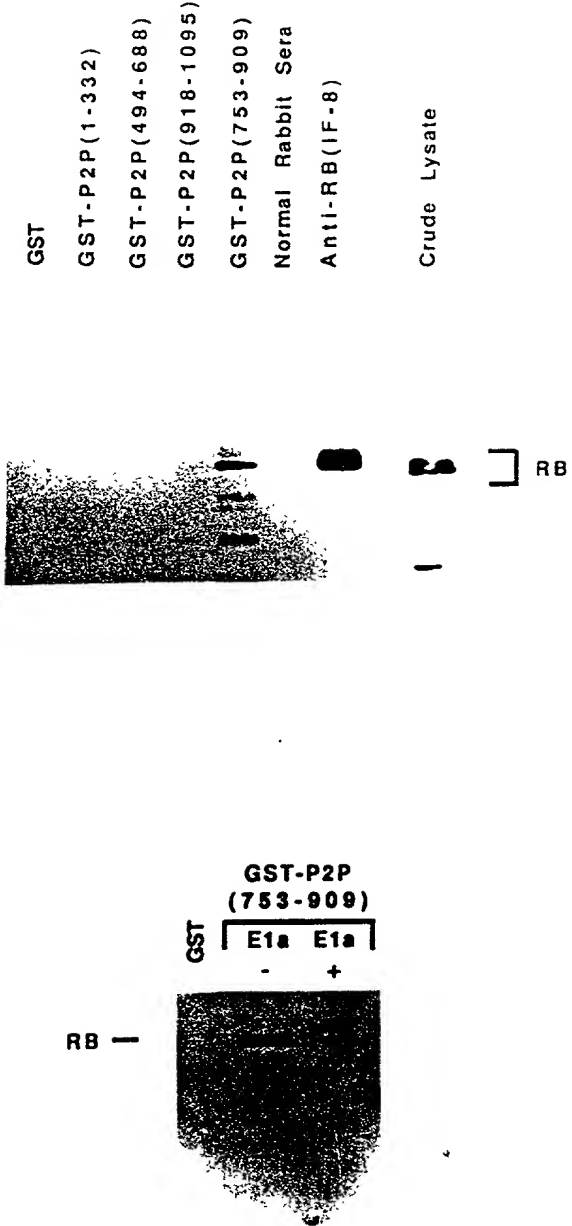


FIGURE 6 (1/5)

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 *
 AGGTCCACCACCTCCATCTTACACCTGCTTTCGTTGTGGTAAACCTGGTCATTATATTAAGAAT
 120
 *
 TGCCAACAAATGGGGATAAGAACTTTGAATCTGGTCCTAGGATCAAAAAGAGCACTGGAATTCC
 180
 *
 TAGAAGTTTTATGATGGAAGTGAAAGATCCTAACATGAAAGGTGCAATGCTTACCAACACTGGA
 240
 *
 AAATATGCAATACCAACTATAGATGCAGAGGCCTATGCAATCGGGAAGAAAGAGAAACCACCT
 300
 *
 TCTTACCAGAGGAGCCATCATCATCTTCAGAAGAAGATGATCCTATCCCAGCAGAGCTCTTGTG
 360
 *
 CCTCATCTGCAAAGACATCATGACTGATGCTGTGGTCATTCCCTGCTGTGGAAACAGTTCATGT
 420
 *
 GATGAATGTATAAGAACGACACTCTTGGAGTCAGATAAACATACATGTCCAACATGTCACCAAA
 480
 *
 ATGATGTTTCTCCTGATGCTTTAATTGCCAACAAGTTTTTACGACAGGCTGTTAATAACTTTAA
 540
 *
 AAATGAACTGGCTATACAAAACGACTACGAAAACAGTTACCTCCATTTTTATTTTTAGTACCA
 600
 *
 CCACCAAGACCACTCAGTCAGCGGAACCTACAGCCTCGTAGTAGATCTCCAATACTAAGACAGC
 660
 *
 AGGATCCTGTAGTATTCAGGTACACTGTCTCGCCTACCTGCTCCGATACTAAGACAGCAGGATC
 720
 *
 CTGTAGTGATTGAGGTACACTGTCTCGCCTACCTGCTCCGTCTATATCTTCATTAACCTCTAAT
 780
 *
 CAGTCTTCCTTGGCCCCCTCCTGTGTCTGGAATCCGTCTTCTGCTCCAGCTCCAGTACCTGATA
 840
 *
 TAACTGCAACCGTGTCTATATCAGTCCACTCAGAAAAATCGGATGGACCTTTTCGGGATTCTGA
 900
 *
 TAATAAATTATTGCCAGCTGCCGCCCTTACATCAGAACATTCAAAGGGAGCCTCTTCAATTGCT
 960
 *
 1020
 *
 ATTACTGCTCTTATGGAAGAAAAAGGGGTACCAGGTACCAGTCCTTGGAACCTCATCTTTGTTG
 1080

FIGURE 6 (2/5)

GACAGTCATTATTACATGGACAGTTGATTCCCACAACCTGGCCCAGTAAGAATCAATGCTGCTCG
1140
*
TCCAGGTGGTGGCCGGCCAGGCTGGGAGCATTCCAACAAGCTTGGGTACCTAGTTTCTCCACCA
1200
*
CAGCAAATTAGAAGAGGAGAAAGAAGCTGTTACAGAAGTATAAACC GCGGGCGACACCACAGCG
1260
*
AACGATCACAGAGGACTCAAAGCCCATCACTTCCAGCAACTCCATGCTTTGTGCCC GTTCCACC
1320
*
ACCTCCTTTGTATCCGCCTCCTCCCCATACACTTCTCTTCTCCAGGTGTACCTCCTCCACAG
1380
*
TTTTCTCCTCAGTTTCCCTCCTCCCAGCCTCCAACAGCAGGATATAGTGTCCCTCCTCCAGGAT
1440
*
TTCCACCAGCTCCTGCCAATATATCAACAGCTTGCTTTTCACCAGGTGTTCCCACTGCCCATTC
1500
*
AAATACCATGCCCACAACACAAGCACCTCTTTTGTCCAGGGAAGAATTCTATAGAGAGCAAAAC
1560
*
GACAAAGGAAGAGAGTCTAAATTTCCCTATAGTGGGT CATCGTATTCAAGAAGTTCATACACTG
1620
*
ACTCAAGTCAAGGTCTGGCTCAACACATTACGCTCTTACTCTCAGTCCTTCAGCTGCTCACAC
1680
*
TCTCGATCTTCTTCAGGATCATCCCCATCCTCCAGAAGAGGCAGAGGCAAGATCTGCAATGATT
1740
*
GTTACATGCCAGATCTCATGGATATCGCCCATGCTAGGTCAAGGTCACTCCCTATAGACGAT
1800
*
ATCGCTCACGGTCCAGATCTCCTCCAGAATTTAGGGGACAGTCTCCCACTAAACGTAATGTACC
1860
*
TCGAGAAGAGAAAGAACGTGAGTATTTTAATAGATACAGAGAAGTTCCACCCCTTATGACATC
1920
*
1980
*
AAAGCCTATTATGGGCGGAGTGTCGACTTTAGAGACCCATTTGAGAAAGAACGCTACCGGGAAT
2040
*
GGGAAAGGAAATACCGAGAGTGGTATGAGAAGTACTACAAAGGGTACGCGGTGGGAGCTCAACC
2100
*
TAGACCCTCAGCCAATAGAGAGGACTTTTCTCCAGAGAGACTCTTACCTCTTAATATCAGAAAT

FIGURE 6 (3/5)

2160
*
TCACCC TTCACAAGAGGCCGAGAGAAGACTATGCTGCTGGACAAAGTCATAGAAATAGAAATC

2220
*
TAGGTGGCAACTATCCAGAAAAGCTTTCAACAAGGGACAGTCACAATGCAAAAGATAATCCAAA

2280
*
ATCGAAGGAGAAGGAGAGTGAGAATGTTCCAGGAGACGGCAAAGGGAACAAGCATAAGAAACAC

2340
*
AGGAAACGAAGAAACGAAGAAAAGGGGAAGAGAGTGAGAGCTTCCTGAACCCAGAGCTACTGG

2400
*
AGACGTCTAGGAAATGCAGGGGATCGTCAGGGATTGATGAAACGAAGACAGATACACTGTTTGT

2460
*
TCTCCCAAGCAGAGACGATGCTACACCTGTTAGGGATGAGCCAATGGACGCAGAATCGATCACT

2520
*
TTCAAGTCAGTATCTGACAAAGACAAGAGGGAAAAGGATAAGCCAAAAGTAAAAAGTGACAAGA

2580
*
CCAAACGGAAAAGTGACGGGTCTGCTACAGCCAAGAAAGACAATGTTTTAAACCTTCTAAAGG

2640
*
ACCTCAAGAAAAGGTAGATGGAGACCGTGAAAAGTCTCCTCGGTCTGAGCCGCCACTCAAAAAA

2700
*
GCCAAAGAGGAGGCTACAAAGATTGACTCTGTAAACCTTCTCGTCTTCTCAGAAGGATGAGA

2760
*
AGGTCACTGGAACCCCTAGAAAAGCCATTCTAAATCTGCAAAGACACCAGGAGGCAAAGCCA

2820
*
GCCAAGGACGAGAAGGTCAAAAAGGACTGTTCCAAAGACATCAAGTCAGAAAAGCCAGCCAGTA

2880
*
AGGACGAGAAGGCCAAGAAGCCTGAGAAAAATAAACTACTTGATAGCAAGGGAGAAAAACGAAA

2940
*
GAGAAAAACGGAAGAAGAGTGTAGATAAAGATTTT GAGTCGTCTTCAATGAAAATCTCTAAAGT

3000
*
AGAAGGAACAGAAATAGTGAAACCATCACCAAAACGGAATGGAAGGTGATGTTGAAAAGCTG

3060
*
GAAAGGACCCAGAAAAGGACAAGATTGCATCATCACTACTCCAGCCAAAAAATCAAACCTCA

3120
*
GAAAGGACCCAGAAAAGGACAAGATTGCATCATCACTACTCCAGCCAAAAAATCAAACCTCA

3180
*

FIGURE 6 (4/5)

ACAGAGAACTGGAAAAAATTGGAAATGCAGAAATGCATCTACTACAAAAGAACCTCTGA
3240
*
AAAATTGGAGTCAACATCTAGCAAATCAAACAGGAAAAAGTCAAGGGAAAGGCCAAACGGAAA
3300
*
GTAGCTGGGTGGAAGGCTCCAGCTCCACGCTTGTGGATTACACCAGTACAAGTTCAACTGGAG
3360
*
GCAGTCCTGTGAGGAAATCTGAAGAAAAGACAGATACAAAGCGAACAGTCATTAAACTATGGA
3420
*
GGAATATAATAATGATAACACAGCTCCTGCTGAAGATGTTATAATTATGATCCAGGTTCTCAG
3480
*
TCCAAATGGGATAAAGATGACTTTGAGTCTGAAGAAGAAGATGTAAAAACACACAACCTATAC
3540
*
AGAGTGTAGGGAAACCATCGAGTATTATAAAAAATGTCACTACTAAGCCATCGGCTACGGCTAA
3600
*
GTACACCGAGAAGGAAAGCGAGCAGCCCGAGAACTGCAGAAGCTTCCAAGGAGGCGAGCCAC
3660
*
GAGCTGATGCAGCACGAGCTCAGGAGCTCAAAGGGCAGTGCGTCCAGTGAGAAGGGCAGAGCCA
3720
*
AGGACCGGGAGCACTCAGGGTCGGAGAAGGACAACCTGACAAGAGGAAGAGCGGTGCCAGCC
3780
*
AGACAAGGAGAGCACTGTGGACCGCCTGAGTGAGCAGGGACATTTTAAGACTCTCTCTCAGTCT
3840
*
3900
*
TCCAAAGAGACCAGGACTTCAGAGAAGCACGAGTCTGTTCTGGTTCCTCAAATAAGACTTCA
3960
*
CTCCTGGTAGAGACAAGAAAGTGGACTACGACAGCAGGGATTATTCCAGTTCGAAGGAGA
4020
*
CGAGAGAGGTGAATTAGCAAGGAGAAAAGACTCTCTCCCCGGGGCAAAGAGTCTCTGTCTGGG
4080
*
CAGAAAAGCAAGCTGAGGGAGGAGAGAGATTTACCTAAAAAGGGGGCCGAGTCAAAAAAAGTA
4140
*
ATTCTAGCCCCCAAGAGACAAAAAGCCTCATGATCATAAAGCCCCCTACGAACTAAACGCCC
4200
*
ATGTGAAGAGACAAAGCCTGTAGATAAAAACTCTGGGAAGGAGCGGGAGAAGCATGCTGCTGAA

FIGURE 6 (5/5)

4260

*

GCTCGCAATGGGAAAGAGTCCAGTGGTGCAAAGTCCCATGTATACCTAACCCGCCAGACCCTCC

4320

*

CATGGAGAAGGAGCTGGCTGCTGGGCAGGTGGAGAAGAGCGCCGTCAAGCCGAAACCCAGCTG

4380

*

AGCCATTCTCGAGGCTTTCCTCTGACCTGACCCGGGAGACGAACGAGGCAGCCTTTGAACCAG

4440

*

ATTATAATGAGAGCGACAGTGAGAGTAATGTGTCTGTGAAGGAAGAAGAAGCTGTTGCCAGTAT

4500

*

CTCCAAGGACTTGAAAGAGAAAACAACAGAGAAAGCGAAAGAGAGCTTGACTGTAGCAACGGCC

4560

*

AGCCAGCCAGGTGCAGACAGGAGCCAGAGCCAAAGTAGCCAGTGTTAGTCAGTAGAGTCATAG

4620

*

CCTTCGGAGCCAGACCCGAAGCCACAGCAGCAGTGCCAGCTCAGCCGGAAGGCCAGGACAGCAA

4680

*

AAAGAAGAAGAAGAAGGAGAAGAAAAACGACAAGAAGCATAAAAAGCACAAGAAGCACAAAG

4740

*

AAGCACGCAGGCCGACGGCGACGTGGAGAAGAGCCAGAAACACAAACACAAGAAGAAGAAGGCC

4800

*

4860

*

AAGAAGAACAAAGACAAGGAGAAGGAGAAAGATGACCAAAAAGTGAGATCTGTCACTGTGTGAA

4920

*

GGACGGATGTGTTAATTGACTTAATTACTAAGTCATCTGTATTAAATTCTGTTATAATGTAAAG

4980

*

AGATTCCAGCCTTGTAATAATGAATGGAAGACCCTGTGCTGCACTTAAAAGTATTTGCTGCTT

5040

*

GATTATTTTATTTTACATCAGAGCTTTATAACGAACTTTTGTACAGAATTGTGAGTTGTGACC

5100

*

ATGGAACAGTGAGAGGTTTTGCTAGGGCCTATTATTTTAAACCACCATTAATTAGTTGGGGTGG

5160

*

AGTTTACTGTACTGTGAAATTTTCACATTTGAATTTTTTAATTGCCTGGCAA

4260 4320 4380 4440 4500 4560 4620 4680 4740 4800 4860 4920 4980 5040 5100 5160